

CLAIMS:

1. A process for producing a continuous, intermediate belt for receiving heat-fusible toner images from a photoreceptor surface and for simultaneously fusing and completely transferring said images to a copy sheet as glossy-surface images, said process comprising the steps of:

(a) providing a continuous support of fibrous

fabric material having on at least the outer surface thereof a thin layer of elastomeric composition which impregnates, penetrates and anchors to said fibrous fabric material;

(b) applying a thin primer layer of a polyfunctional silicone composition applied to said elastomeric layer and hydrolyzed to form a chemical bond between said elastomeric layer and the hydrolyzed silicone composition,

(c) applying a thin outer layer of a heat-curable elastomer polymer applied to said hydrolyzed silicone primer layer and heat-cured to form a dry outer surface layer bonded to said primer layer, and

(d) heat-curing said elastomer polymer at elevated temperatures to form a smooth release surface for said heat fusible toner images.

2. A process according to claim 1 in which said support of fibrous fabric comprises a woven fabric having high heat-resistance and mechanical strength.

3. A process according to claim 1 in which said elastomeric composition impregnated into said support comprises a synthetic rubber.

4. A process according to claim 1 in which said primer layer comprises 3-amino triethoxysilane.

5. A process according to claim 1 in which said elastomer polymer comprises a vinylidene fluoride polymer.

6. A process according to claim 5 in which said elastomer polymer is a tetrapolymer of vinylidene fluoride, hexafluoropropylene, tetrafluoroethylene and a cure site monomer.